

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A catalyst containing at least one group VIII element and at least molybdenum and/or tungsten, said elements being present at least in part in the catalyst in the dry state in the form of at least one heteropolyanion having a ~~with~~ structural formula $M_xAB_6O_{24}H_6C_{(3-2x)}, tH_2O$ (I); $M_xAB_6O_{24}H_6C_{(4-2x)}, tH_2O$ (I'); $M_xA_2B_{10}O_{38}H_4C_{(6-2x)}, tH_2O$ (I''); $M_xA_2B_{10}O_{38}H_4C_{(8-2x)}, tH_2O$ (I'''); or $M_xA_2B_{10}O_{38}H_4C_{(7-2x)}, tH_2O$ (I'''); wherein ~~in which~~ M is cobalt, ~~and/or~~ nickel, ~~and/or~~ iron, ~~and/or~~ copper, ~~and/or~~ zinc, or mixtures thereof, A is an ~~one~~ element from group VIII of the periodic table for formulae I and I' or one or two ~~1 or 2~~ elements from group VIII of the periodic table for formulae I'', I''' and I''', B is molybdenum and/or tungsten and C is an H^+ ion and/or a $(NR_1R_2R_3R_4)^+$ type ammonium ion, in which R_1, R_2, R_3 and R_4 , which may be identical or different, correspond either to a hydrogen atom or to an alkyl group, cesium, ~~and/or caesium and/or potassium, and/or sodium~~ or mixtures thereof, t is a number between 0 and 15 and x is ~~takes a value in the range~~ 0 to $3/2$ in (I), ~~a value in the range~~ 0 to 2 in (I'), ~~a value in the range~~ 0 to 3 in (I''), ~~a value in the range~~ 0 to 4 in (I''') and ~~a value in the range~~ 0 to $7/2$ in (I''') and wherein ~~in which~~ the number of bonds connecting the group VIII element or elements with the molybdenum and/or tungsten having ~~with~~ a length of 3.6 angstroms or less is ~~strictly~~ greater than 2.
2. (Currently Amended) A catalyst according to claim 1, wherein ~~in which~~ more than 2 bonds connecting the group VIII element or elements with the molybdenum and/or tungsten have a length of 3.5 angstroms or less in the catalyst in the dry state.
3. (Currently Amended) A catalyst according to claim 1, wherein ~~in which~~ element A is selected from the group consisting of nickel, cobalt and iron.

4. (Previously Presented) A catalyst according to claim 1 comprising, in the dry state, 0.01% to 100% by weight with respect to the total catalyst weight of at least one heteropolyanion with a structural formula selected from the group consisting of formulae I, I', I'', I''' and I''''.
5. (Previously Presented) A catalyst according to claim 1, comprising at least one porous mineral matrix.
6. (Currently Amended) A catalyst according to claim 5, further comprising a zeolitic molecular sieve.
7. (Previously Presented) A catalyst according to claim 5 comprising, in the dry state, as a % by weight with respect to the total catalyst weight, 1% to 99.9% of at least one porous mineral matrix, 0.1% to 99% by weight of at least one heteropolyanion having a structural formula selected from the group consisting of formulae I, I', I'', I''' and I'''' and 0 to 80% by weight of at least one zeolitic molecular sieve.
8. (Currently Amended) A catalyst according to claim 1, wherein ~~in which~~ the heteropolyanion has a structural formula selected from the group consisting of $\text{Co}_2\text{Mo}_{10}\text{O}_{38}\text{H}_4\text{Co}_3$, $\text{CoMo}_6\text{O}_{24}\text{H}_6\text{Ni}_{3/2}$, $\text{CoMo}_6\text{O}_{24}\text{H}_6\text{Co}_2$, $\text{Co}_2\text{Mo}_{10}\text{O}_{38}\text{H}_4\text{Ni}_3$, $\text{Ni}_2\text{Mo}_{10}\text{O}_{38}\text{H}_4\text{Co}_4$, $\text{NiMo}_6\text{O}_{24}\text{H}_6\text{Co}_2$, $\text{CoMo}_6\text{O}_{24}\text{H}_6\text{Ni}_2$, $\text{CoMo}_6\text{O}_{24}\text{H}_6\text{Co}_{3/2}$, and $\text{NiMo}_6\text{O}_{24}\text{H}_6\text{Ni}_2$.
9. (Previously Presented) A catalyst according to claim 1, which has undergone a sulphurization treatment.
10. (Withdrawn) In catalytic processes comprising hydrorefining and/or hydroconverting hydrocarbon feeds, the improvement wherein the catalyst is according to claim 1.

11. (Withdrawn) A process according to claim 10 comprising conducting hydrogenation, hydrodenitrogenation, hydrodeoxygenation, hydrodearomatization, hydrodesulphurization, hydrodemetallization, hydroisomerization, hydrodealkylation or dehydrogenation reactions.
12. (Withdrawn) In a catalytic process comprising conducting hydrocracking of hydrocarbon feeds, the improvement wherein the catalyst is according to claim 1.
13. (Withdrawn) A process according to claim 10, in which said hydrocarbon feeds contain at least one heteroatom.
14. (Currently Amended) A catalyst according to claim 8, wherein the heteropolyanion is $\text{Co}_2\text{Mo}_{10}\text{O}_{38}\text{H}_4\text{Co}_3$, $\text{CoMo}_6\text{O}_{24}\text{H}_6\text{Ni}_{12}$, or ~~and~~ $\text{NiMo}_6\text{O}_{24}\text{H}_6\text{Ni}_2$.